

Union of South Africa. Report of the South African Museum for the Year ended 31st December 1930. Pp. 18. (Pretoria: Government Printing Office.)

The Journal of the Institution of Electrical Engineers. Edited by P. F. Rowell. Vol. 69, No. 414, June. Pp. 673-804+xxvi. (London: E. and F. N. Spon, Ltd.) 10s. 6d.

Transactions of the Royal Society of Edinburgh. Vol. 56, Part 3, No. 31: The British and Belgian Carboniferous Bellerophonitidae. By Dr. John Weir. Pp. 767-861+9 plates. 16s. 6d. Vol. 57, Part 1, No. 1: An Analysis of the Vegetative Organs of *Selaginella grandis* Moore, together with some Observations on Abnormalities and Experimental Results. By Dr. S. Williams. Pp. 24+2 plates. 3s. 6d. (Edinburgh: Robert Grant and Son; London: Williams and Norgate, Ltd.)

University of Birmingham: Executive Board of Mining Research. Report on the Work of the Mining Research Laboratory during the Year 1930. Pp. 19. (Birmingham.)

FOREIGN.

Spisy vydávané Přírodovědeckou Fakultou Masarykovy University (Publications de la Faculté des Sciences de l'Université Masaryk). Čís. 128: Genesís Trigonella L. revisio critica. III. Scriptis G. Sirjæev. Pp. 31. Čís. 129: Příspěvek k analytickému studiu reakcí oximů (Contribution à l'étude analytique des réactions des oximes). Napsali J. V. Dubský, Fr. Brychta a M. Kuraš. Pp. 26. Čís. 130: Contribution à la théorie des séries trigonométriques généralisées et des séries à fonctions orthogonales. Par Dr. F. Wolf. Pp. 34. Čís. 131: Několik poznámek o Markovových tetězech (Quelques remarques sur les chaînes de Markoff). Napsal Jos. Kauchy. Pp. 22. Čís. 132: O vlivu kyslíčnicku dusičitého na světélkování fosforu (Influence of nitrogen peroxide on the glow of phosphorus). Napsal Dr. Fr. Schacherl. Pp. 29. Čís. 133: Hydrolysa soli berylliatých a hlinitých, odvozených od silných kyselin. Část 2 (Hydrolysis of beryllium and aluminium salts derived from strong acids, Part 2). Napsal Václav Čupr. Pp. 50. Čís. 134: Měření hydrolysy siranu zinečnatého a kademnatého vodíkovou a chinhydrónovou elektrodou (Measurement of hydrolysis of zinc and cadmium sulphates by means of the hydrogen and quinhydrone electrodes). Napsali V. Čupr a O. Viktorín. Pp. 18. (Brno: A. Píša.)

Sborník vysoké školy zemědělské v Brně (Bulletin de l'École Supérieure d'Agronomie, Brno). Sign. D17: Příspěvek ke studiu degradace humusokarbonátových pH v oblasti Moravského Krasu (The Contribution to the study of degradation of rendzina soils in the Moravian Karst). Napsal Dr. Ivan A. Zvorykin. Pp. 48. Sign. D18: Addenda ad floram Československé mycologicam, V. Scriptis Dr. Richard Picbauer. Pp. 30. (Brno: A. Píša.)

Svenska Sällskapet för Antropologi och Geografi. Geografiska Annaler 1930, Heft 4: The Tidal Force, a Study in Geophysics. By Otto Pettersson. Pp. 261-322. (Stockholm.)

Collection des travaux chimiques de Tchécoslovaquie. Rédigée et publiée par E. Votoček et J. Heyrovský. Année 3, No. 5, Mal. Pp. 241-284. (Erague: Regia Societas Scientiarum Bohemica.)

Bulletin of the Imperial Agricultural Experiment Station of Japan. Vol. 3, No. 2, November 1928. Pp. 77-160. Journal of the Imperial Agricultural Experiment Station, Nishigahara, Tokyo. Vol. 1, No. 1, March 1929. Pp. 106+9 plates. Vol. 1, No. 2, October 1929. Pp. 107-182+plates 10-16. (Tokyo.)

Svenska Linné-Sällskapets Årsskrift. Årgång 14, 1931. Pp. vi+196. (Uppsala.)

Scientific Papers of the Institute of Physical and Chemical Research. No. 302: On the Catalytic Oxidation of Non-Benzenoid Hydrocarbons and Mineral Oils in their Vapour. By Rinta Shimose. Pp. 251-276. 30 sen. No. 303: On the Hydrosol of Silicic Acid. 3: On the Stability of the Hydrosol and the Influence of Electrolyte on it. By Kenkyo Inaba. Pp. 277-287. 20 sen. No. 304: On the Separation and Determination of Gallium. 3: The Separation of Gallium from Bivalent Elements and those of the Rare Earths, and the Determination of all these Elements. By Sunao Ato. Pp. 289-301. 40 sen. (Tōkyō: Iwanami Shoten.)

Proceedings of the California Academy of Science. Fourth Series, Vol. 19, Nos. 13 and 14: Report of the President of the Academy for the Year 1930, by C. E. Grunsky; Report of the Director of the Museum and of the Aquarium for the Year 1930, by Barton Warren Evermann. Pp. 399-482. (San Francisco.)

University of California Publications in Zoology. Vol. 32, No. 8: Adaptive Modifications in the Woodpeckers. By William Henry Burt. Pp. 455-524. 1 dollar. Vol. 37, No. 1: Critical Comments on Mammals from Utah, with Descriptions of New Forms from Utah, Nevada and Washington. By E. Raymond Hall. Pp. 13. 25 cents. (Berkeley, Calif.)

CATALOGUES.

A Catalogue of Book Bargains. (No. 528.) Pp. 16. (London: William Glaiser, Ltd.)

Catalogue de livres anciens et modernes, rares ou curieux, relatifs à l'Orient. (No. 17.) Pp. 126. (Paris: Librairie Adrien-Maisonneuve.)

Philips X-Ray Tubes for Structure Research. Pp. 9. (London: Philips Lamps, Ltd.)

Autograph Letters, Documents and Manuscripts. (Catalogue 540.) Pp. 52. (London: Francis Edwards, Ltd.)

Diary of Societies.

TUESDAY, JULY 14.

QUEKETT MICROSCOPICAL CLUB (at 11 Chandos Street, W.1), at 7.

THURSDAY, JULY 16.

GENETICAL SOCIETY (at Entomological Society of London, 41 Queen's Gate, S.W.7), at 3.—Exhibits and Demonstrations by Prof. E. B.

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Poulton, Dr. A. D. Imms, J. C. F. Fryer, and others.—At 5.—Annual General Meeting.

NATIONAL SMOKE ABATEMENT SOCIETY (at 71 Eccleston Square, S.W.1), at 3.15.—W. Prescott: Smoke Abatement from the Manufacturers' Point of View (Address).

CONGRESSES.

JULY 6 TO 11 (IN EDINBURGH).

CONGRESS OF UNIVERSITIES OF THE EMPIRE.

Friday, July 10, at 10.30 A.M.—Address by Sir Donald Macalister, Bart. At 11 A.M.—Dr. H. L. Eason and others: Discussion on Post-graduate Study in Medicine and Surgery in Great Britain.

Sir Thomas H. Holland and others: Discussion on Facilities for Overseas Students in British Universities.

Saturday, July 11.—Visits.

JULY 9 AND 10.

OPHTHALMOLOGICAL CONGRESS (at Oxford).

Friday, June 10.—Dr. Baillart: Tonometry. P. Adams: An Ophthalmological Mélange (Doyle Memorial Lecture). J. Craig and Prof. Schüller: Discussion on Penetrating Wounds of the Eye.

JULY 10 AND 11.

SOCIETY FOR EXPERIMENTAL BIOLOGY (at Rothamsted Experimental Station, Harpenden).

Friday, July 10 (In Chair: Dr. W. B. Brierley).

At 11.30 A.M.—W. H. Pearsall: The Effects of Calcium on the Metabolism of *Chlorella*.

J. H. Priestley: Growth as a Factor in Food-transport in Plants.

M. A. H. Tincker: Some Factors Affecting Tuber Formation.

At 2.—Address by Sir John Russell.

At 5 (In Chair: Dr. A. D. Imms).—V. B. Wigglesworth: The Physiology of Excretion in a Blood-sucking Insect, *Rhodnius prolixus*. R. P. Hobson: Digestion in Blow-fly Larvae.

At 6.—Business Meeting.

Saturday, July 11 (In Chair: Dr. D. Ward Cutler).

At 10.30 A.M.—N. N. Murti: The Artificial Production of Double-pored Larvae in *Asterias glacialis*.

S. Zuckerman: The Reproductive Mechanism in Primates.

J. S. Huxley: Recent Work on Differential Growth.

Boris Zavadovsky: Research Work at the Institute of Neuro-humeral Physiology, Moscow.

A. T. Yoffe: Recent Work on Mitogenetic Rays.

JULY 13 AND 14.

INTERNATIONAL UNION FOR BIOLOGICAL SCIENCES (at Brussels).

JULY 20 TO 23.

BRITISH PHARMACEUTICAL CONFERENCE (at Manchester).

Monday, July 20, at 8 P.M.—Civic Reception by the Lord Mayor and Corporation.

Tuesday, July 21, at 10 A.M.—Chairman's Address.

At 11.15 A.M. and 2.15 P.M.—Science Meetings.

At 2.15 P.M.—Delegates' Meeting.

Wednesday, July 22, at 10 A.M. and 2 P.M.—Science Meetings.

At 10 A.M.—Delegates' Meeting.

Thursday, July 23, at 10 A.M.—Closing Session.

JUBILEE CELEBRATION AND ANNUAL MEETING.

JULY 13 TO 19.

SOCIETY OF CHEMICAL INDUSTRY (in London).

Monday, July 13 (at Central Hall, Westminster), at 11.30 A.M.—Opening of Chemical Plant and Research Instruments, Exhibition.

Tuesday, July 14 (at Royal Academy of Music), at 10.30 A.M.—Annual General Meeting.

Sir Harry McGowan: Presidential Address.

(At Salters' Hall, St. Swithin's Lane).—Dr. G. Engi: Recent Developments of the Society of Chemical Industry in Basle.

Dr. H. Schicht: Address.

(At Home Office Industrial Museum, Horseferry Road), at 9 P.M.—Prof. R. V. Wheeler: Dust Explosions.

Wednesday, July 15 (at Royal Academy of Music), at 10.30 A.M.—Presentation of Society's Medal to Dr. H. Levinstein and Address by the Medallist.

Thursday, July 16 (at Leathersellers' Hall, St. Helen's Place), at 10.30 A.M.—Dr. H. Sørensen: Hydrogen Ion Concentration.

(At Great Central Hotel), at 10.30 A.M.—Reading and Discussion of Papers.

Friday, Saturday, and Sunday, July 17, 18, and 19.—Visits.

SUMMER MEETINGS.

JULY 13 TO 17.

INSTITUTION OF MECHANICAL ENGINEERS (at Cambridge).

Tuesday, July 14, at 10.30 A.M.—Prof. C. E. Inglis: Cambridge as a Place of Education (Address).

At 11 A.M.—H. N. Gresley: Locomotive Experimental Stations.

Wednesday, Thursday, and Friday, July 15, 16, and 17.—Visits.

JULY 18 TO 23.

INSTITUTION OF ELECTRICAL ENGINEERS (in Northern Italy and Western Switzerland).